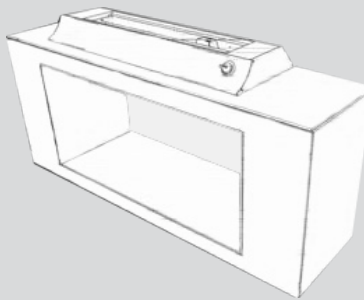


## Installation Manual



Base and Door Modules



Base Module



Base and Spacer Modules



# LIMITED WARRANTY

Rinnai brings you peace of mind  
with a 2 year minimum warranty.

## TERMS AND CONDITIONS

1. During the 24 month period from date of purchase and subject to clauses 2 and 3 below, Rinnai New Zealand Limited ("Rinnai") will, at its own discretion, either replace or repair any defective product at no charge to the customer.

2. This warranty covers manufacturing defects only. This warranty will not apply if (for example) the product has been improperly installed or is otherwise installed contrary to manufacturer's recommendations, or has been subjected to damage or abuse beyond that expected from conditions of normal use.

3. This warranty commences from the date of purchase. Proof of purchase is required at the time of any warranty claim.

The company is constantly improving its products and as such specifications are subject to change or variation without notice.

---

Please keep these instructions in a safe place for future reference.

RECORD AND ATTACH YOUR PROOF OF PURCHASE BELOW:

Your Retailer: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: ( \_\_\_\_\_ ) \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**Rinnai**

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## Need Assistance



For assistance or additional information call Rinnai on  
0800 RINNAI (0800 746 624).

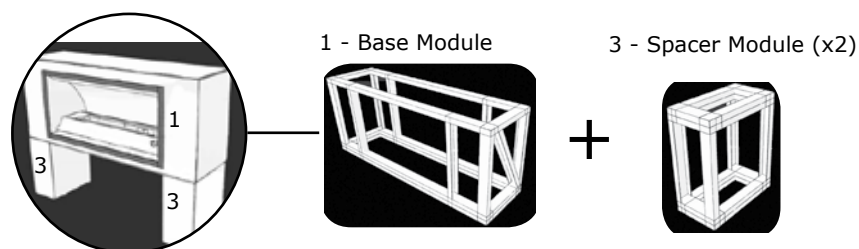
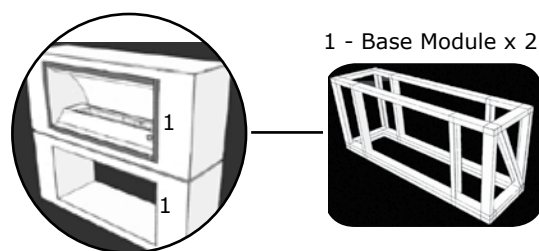
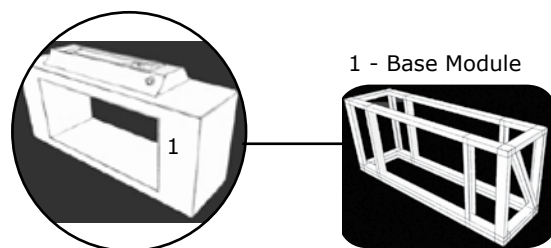
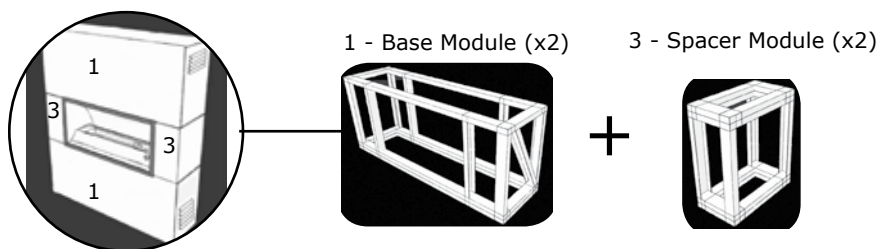
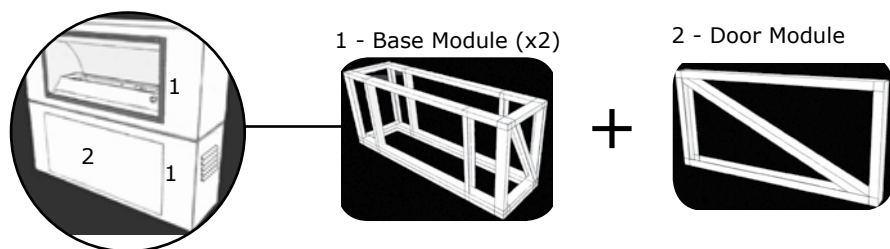
# About the Steel Frame Console Kitsets

---

## Customisable and easy to assemble

The Rinnai Impression Steel Frame Console Kitsets give greater design flexibility and can reduce installation time of the Rinnai Impression Outdoor Fire. Each module is a flat pack kitset containing all the required components individually labelled for easy assembly.

There is no limit to the possible number of console configurations, here are just a few.



# Planning and Preparation

## You will need



Gloves for handling sharp frame edges



Drill, Phillips and hex head drivers



Angle grinder with cutting disk or a pair of tin snips



Tape measure



Marker pen



Clamp, to assist in holding base module internal spacers together during assembly.



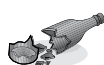
With 1 person approximately:

- 30 minutes for door module
- 2 hours for base/spacer modules



Additional screws have been provided in each kit for those damaged or misplaced during assembly.

## Before installation



Check for damage. DO NOT install any damaged items.



Check all components have been supplied, refer kit components for each assembly.

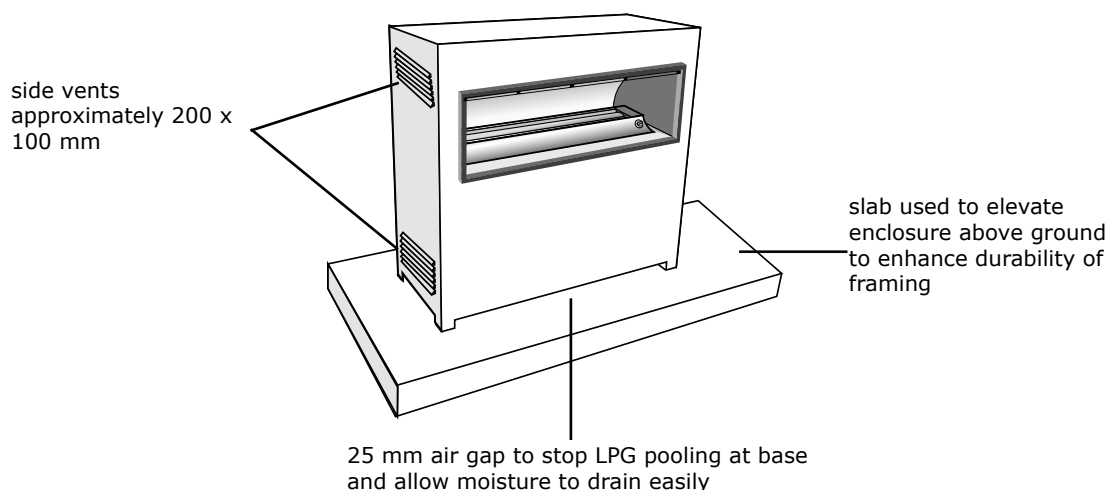


Before starting, read these instructions to get an overview of the steps required.

## Framing durability and enclosure venting

To enhance framing durability we suggest all framing is mounted on a paved slab 250 mm above unpaved ground and 150 mm above paved ground.

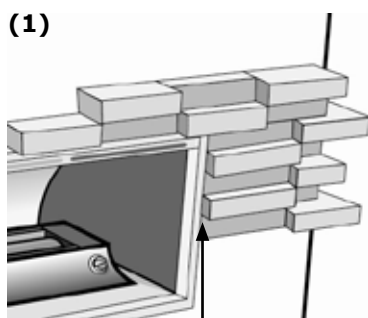
Enclosures must have ventilation openings at the top and bottom with each opening providing the equivalent of 200 x 100 mm for every cylinder enclosed. We also recommend having a 25 mm air gap to stop LPG from pooling and allow moisture to drain easily from the enclosure.



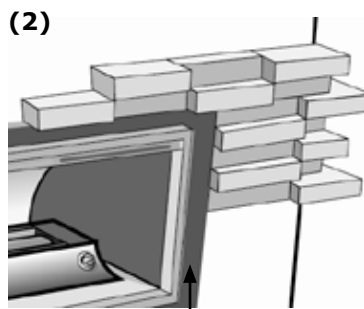
# Console Cladding and Finishes

The Rinnai Impression Steel Frame console modules can be clad and coated with a range of different materials such as; painted plaster, tiles and rock veneer. **Guidelines for cladding and finishes** are detailed in the Rinnai Impression Outdoor Fire Installation and Operation Manual.

In determining the type of cladding used you will need to consider some installation aesthetics, such as cladding hard up against the fire frame (1) or packing out slightly (2). This will affect how easily the fire can be moved in and out of a cabinet enclosure.



cladding hard up against the frame will mean fire cannot be easily removed without damaging the surround



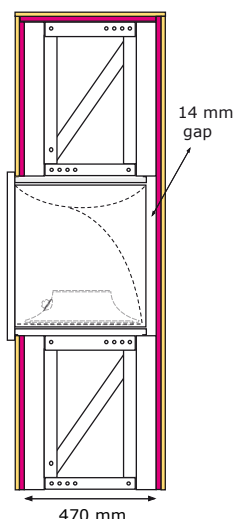
packing around the frame will allow the fire to be easily removed

Cladding and installation type will also determine how the fire sits in the steel frame console and whether the console frame needs to be cut to size.

## One-Sided Cabinet - Cladding/Installation Type, How This Affects the Positioning of the Impression Outdoor Fire

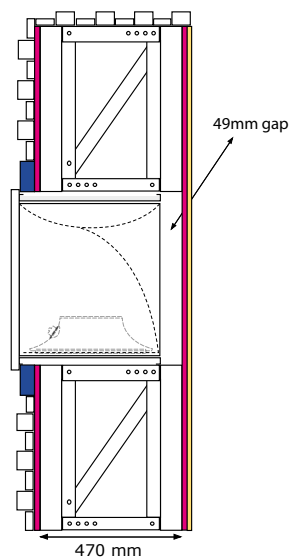
### Painted Plaster

5 mm Plaster and 9 mm Calcium Silicate Board



### Rock Veneer

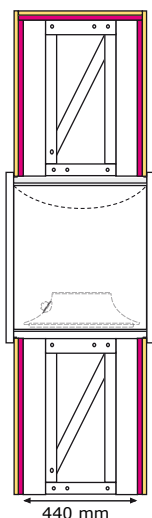
40 mm Rock Veneer, 9 mm Calcium Silicate Board and 40 mm Non-Combustible Packer



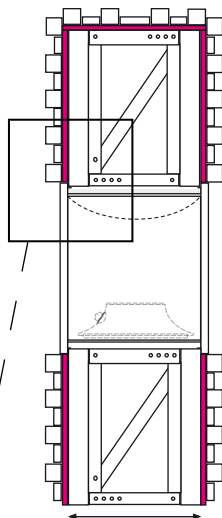
# Console Cladding and Finishes

## See-Through Cabinet - Cladding/Installation Type, How This Affects the Positioning of the Impression Outdoor Fire

**Plaster**  
6 mm Plaster and 9 mm Calcium Silicate board

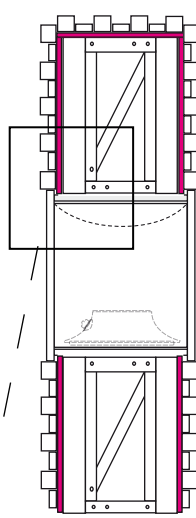


**Rock Veneer**  
20 - 40 mm Rock Veneer, 9 mm Calcium Silicate board and glue



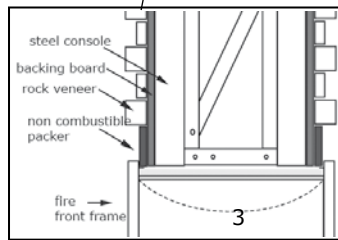
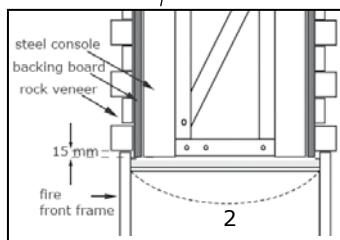
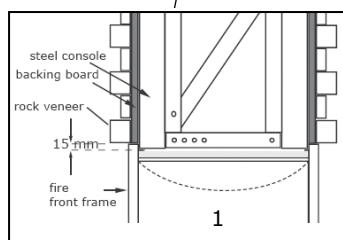
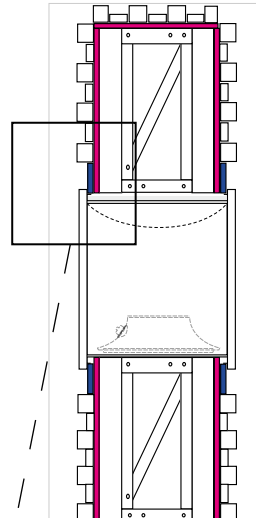
no change to size of console out of the box

**Rock Veneer**  
20 - 40 mm Rock Veneer, 9 mm Calcium Silicate board and glue



470 mm - 18 mm of Calcium Silicate board and 4 mm glue = Total of 22 mm

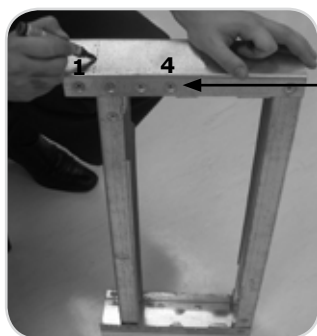
**Rock Veneer**  
20 - 40 mm Rock Veneer, 9 mm Calcium Silicate board and non-combustible packer



### Please Note:

1. When backing board sits on top of the front frame the console will not have to be cut to size. Installation will be permanent and removal of the fire cabinet will require removal of the backing board and rock veneer.
2. When backing board sits behind the front frame the console will have to be cut to size. Installation will be permanent and removal of the fire cabinet will require removal of the backing board and rock veneer.
3. When backing board and non-combustible packer sit behind the front frame the console will have to be cut to size. This allows easy access to move the fire cabinet in and out of enclosure without damaging the surround.

See-through unit installations may require the consoles be cut to size. Rock veneer due to its thickness will require the console to be cut to a narrower dimension than plaster cladding. To assist in making this job easier the Rinnai steel frames have precut holes to align with specific cladding thicknesses.

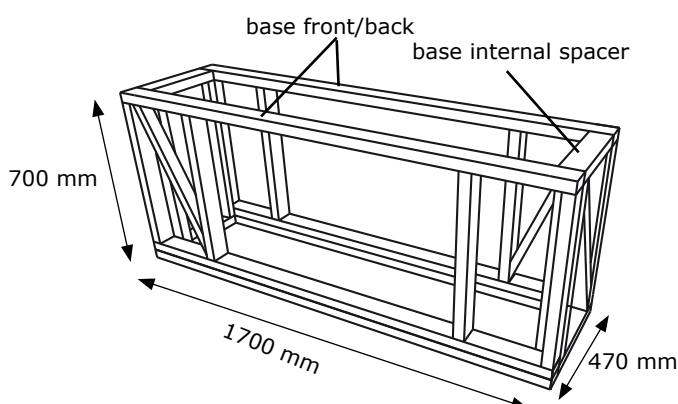


Precut holes, numbering from left to right (looking at picture)

- hole 1, default hole for 1-sided cabinet or 470 mm wide console
- hole 2 aligns with cladding materials of 15 mm on both sides
- hole 3 aligns with cladding materials of 30 mm on both sides
- hole 4 aligns with cladding materials of 45 mm on both sides

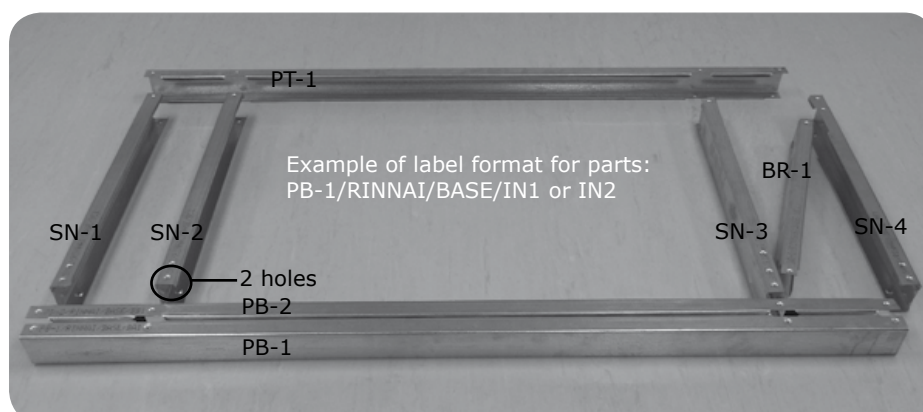
# Base Module Kitset

The base module dimensions allow for a perfect fit of the Rinnai Impression Outdoor Fire. Its modular design allows the bases to be stacked in a number of configurations that can be integrated to enhance any outdoor area.

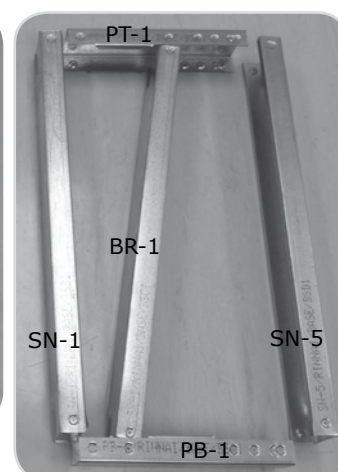


## Kit components

**Base Front and Back**



**Base Internal Spacer x 2**



	Base Front and Back (.../IN1)	Qty
PB-1	Plate Bottom (long)	2
PB-2	Plate Bottom	2
PT-1	Plate Top (long)	2
SN-1	Side Outer Stud	2
SN-2	Side Inner Stud (2 holes on bottom)	2
SN-3	Side Inner Stud (right)	2
SN-4	Side Outer Stud (right)	2
BR-1	Brace Diagonal (short)	2

	Base Side Spacer, 2 Sets (.../IN2)	Qty
PB-1	Plate Bottom (short)	2
PT-1	Plate Top (short)	2
SN-1	Side Stud (1 hole on bottom)	2
SN-5	Side Stud	2
BR-1	Brace Diagonal (long)	2
<b>Hardware Pack</b>		
-	Wafer Head Screws	80
-	Hex Head Screws	16

Unpack kitset and lay components (label side up) on the ground in the same orientation as above photo. Ensure you have all the parts before assembling.



The base and spacers have some identical part numbers but different dimensions. Please refer to image and descriptions above to determine correct allocation.



# Base Module Assembly

---

## Installing a see-through unit?

NO

Go straight to next step - Fit lower frame together.

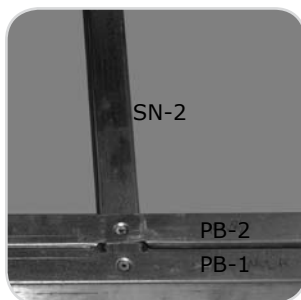
YES

1. Determine cladding material and thickness.
2. Loosely put base internal spacers together and mark on each where you will trim. Double check this measurement with a tape measure against suggested dimensions on page 7.
3. Cut spacer/connector modules to size using an angle grinder or tin snips.



## Fit lower frame together

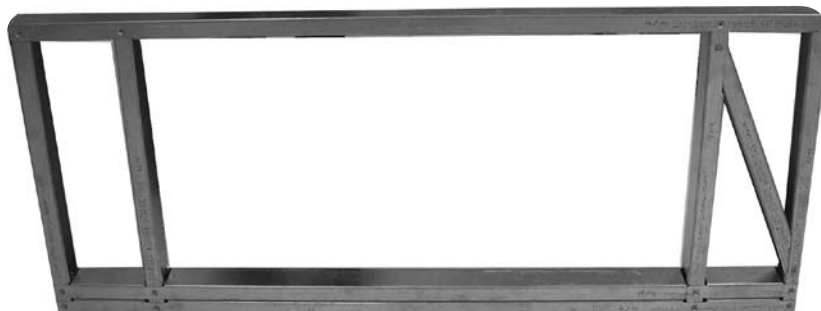
1. Using photos to assist, fit inner vertical studs (SN-2 and SN-3) into bottom plates and secure with screws provided.



2. Attach remaining right and left hand vertical outer studs (SN-1 and SN-4) and secure.
3. Fit inner diagonal brace (BR-1) into vertical side stud and secure.

## Attach top section and put together second frame

Lift partially assembled frame so that it is resting on the bottom plate, fit top plate and secure into place. Repeat steps to put together the second frame.

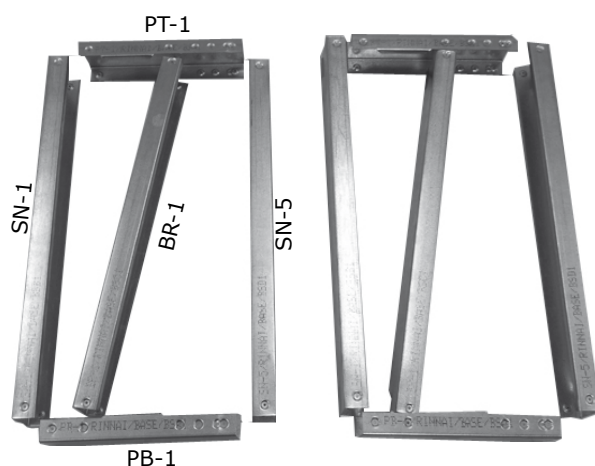


# Base Module Assembly

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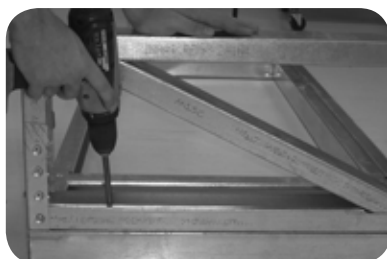
## Put together base internal spacers

1. Fit outer vertical studs (SN-1 and SN-5) into bottom plate (PB-1) and secure.
2. Fit inner diagonal brace (BR-1) into second hole position of PB-1 and secure.
3. Attach top plate (PT-1) and secure.
4. Repeat steps 1-3 to make up the second base internal spacer.



## Connect base internal spacers to front and back frames

1. Lay either the front or back frame on your working surface and place one of the internal spacers on top. Ensure spacer and frame align (using a clamp to hold sections together may make assembly easier).
2. Fix spacer to frame with 2 hex head screws top and bottom. Position screws as far as possible to the outside of the stud. You need to keep the drill as vertical as possible and apply pressure.



# Base Module Assembly

---

## Connect base internal spacers to front and back frames

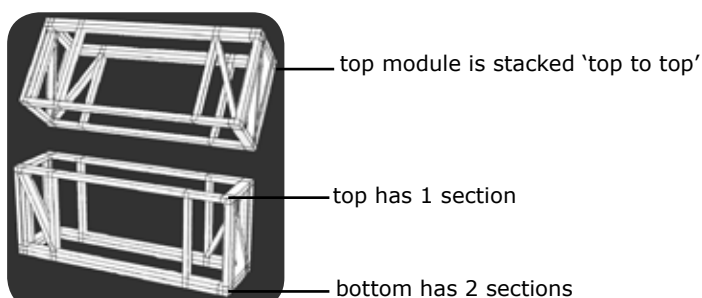
3. Step 2 can be simplified by attaching a rail on the back frame.



4. Repeat steps 1-2/3 to fix second spacer and attach second frame.

## Stacking base modules?

If stacking base modules it is recommended that the second base is stacked with the top on the bottom and the bottom on the top. This ensures the configuration looks proportional.



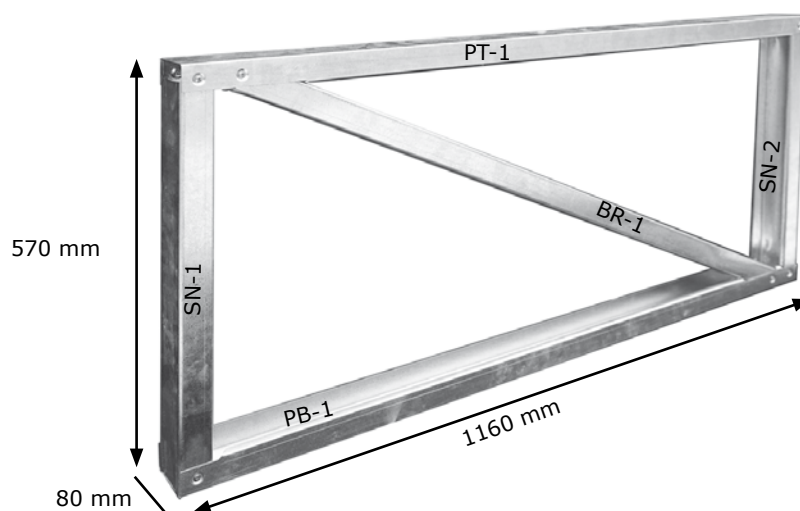
# Door Module Kitset

The door module is designed to be installed with the base module. In enclosed installations it provides easy access to either a storage area or 9 kg LPG bottles that may be housed underneath the Rinnai Impression Outdoor Fire.

It fits inside either the front or back of the base module and can be customised with a hand slot so the door can be lifted in and out.

## Kit components

**Example of label format for parts: PB-1/RINNAI/DOOR/IN1**



	Door Module	Qty
PB-1	Plate Bottom	1
PT-1	Plate Top	1
SN-1	Side Stud Left	1
SN-2	Side Stud Right	1
BR-1	Brace Diagonal	1
-	Wafer Head Screws	14

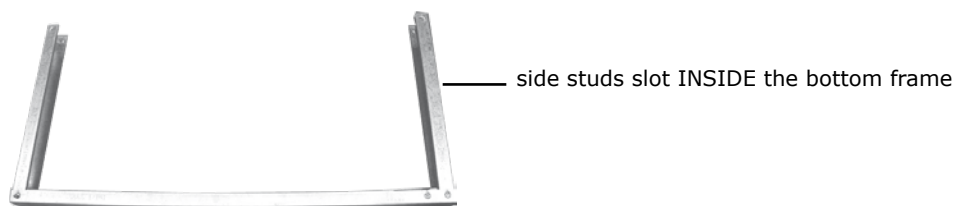
Unpack kitset and lay components (label side up) on the ground in the same orientation as above photo. Ensure you have all the parts before assembling.

# Door Module Assembly

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## **Piece together lower section**

Slot the side studs (SN-1 and SN-2) into the bottom plate (PB-1) and screw into place with 4 screws provided.



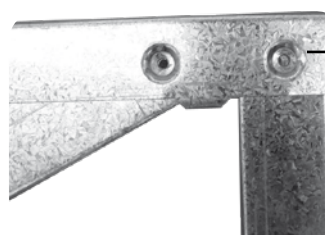
## **Place diagonal brace**

Slot in diagonal brace (BR-1) and secure into lower plate (PB-1) with 2 screws.



## **Place top plate**

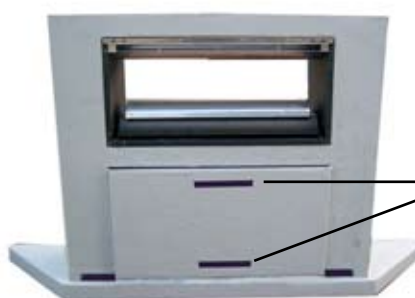
Place top plate over side studs ensuring all holes align and secure with remaining screws.



Make sure all holes align so you can easily screw into place

## **Attach door module to base module**

Place assembled door module into the front or back section of the base module. For a door assembly you will need to clad in sections so the door can easily be lifted in and out. Customise as required with hand slots or venting holes.

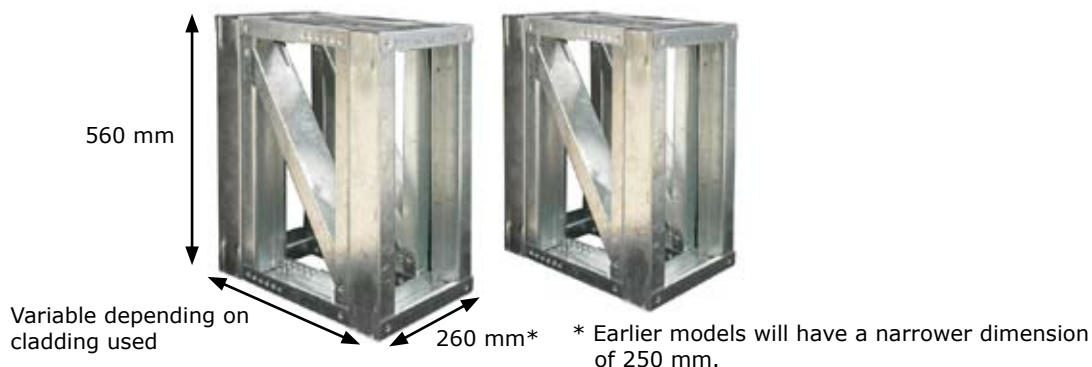


hand slots

# Spacer Module Kitset

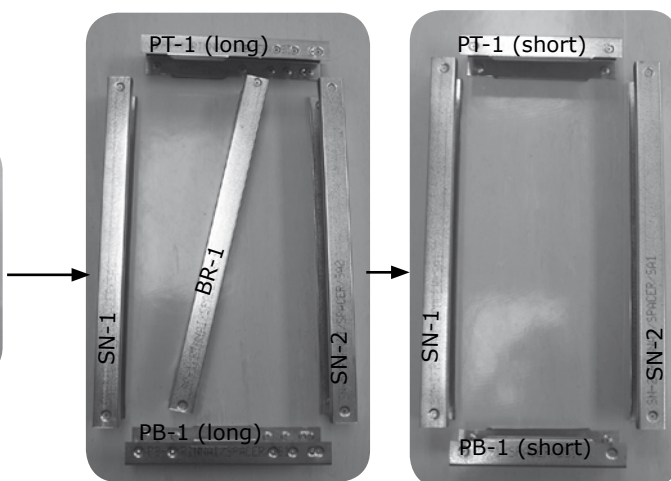
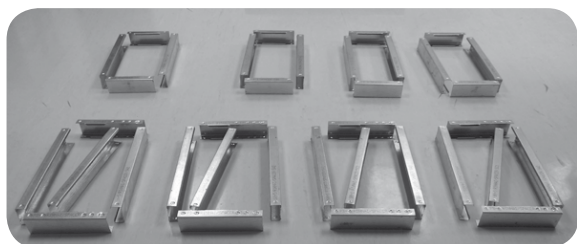
The spacer modules are designed to act as side units for when the fire is installed between 2 base modules. The dimensions of the spacers ensure that the Impression Outdoor Fire sits perfectly in between giving a clean flush finish.

Two spacers are provided in each kit.



## Kit components

Example of label format for parts:  
PB-1/RINNAI/SPACER/IN1 or IN2



	Spacer Module	Qty
PB-1/.../IN1	Plate Bottom (long)	4
PB-1/.../IN2	Plate Bottom (short)	4
PT-1/.../IN1	Plate Top (long)	4
PT-1/.../IN2	Plate Top (short)	4
SN-1/.../IN2	Side Stud Left	8
SN-2/.../IN2	Side Stud Right	8
BR-1/.../IN1	Diagonal Brace	4
-	Wafer Head Screws	80
-	Hex Head Screws	32

Unpack kitset and lay components (label side up) on the ground in the same orientation as above photo. Ensure you have all the parts before assembling.



The different spacer sections have some identical part numbers but different dimensions. Please refer to image and descriptions above to determine correct allocation.

# Spacer Module Assembly

---

## Installing a see-through unit?

NO

Go straight to next step - Fit lower frame together.

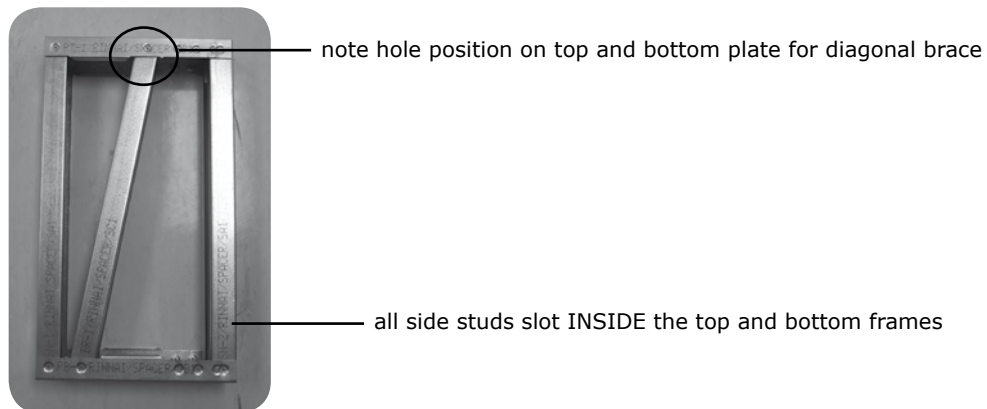
YES

1. Determine cladding material and thickness.
2. Loosely put base internal spacers together and mark on each where you will trim. Double check this measurement with a tape measure against suggested dimensions on page 7.
3. Cut spacer/connector modules to size using an angle grinder or tin snips.

Refer photos on page 9 as a guide for how to complete.

## Make up individual spacer sections

Make up individual spacer sections and secure with screws provided (8 into each frame). Ensure all side studs (SN-1 and SN-2) are placed **INSIDE** the top and bottom plates. Also note diagonal brace alignment with hole position on top and bottom plates.



## Configure spacer sections

Place individual assembled sections into position. Short plates form the top and bottom, not the sides as shown in 'Incorrect configuration'.

**Correct configuration**



**Incorrect configuration**



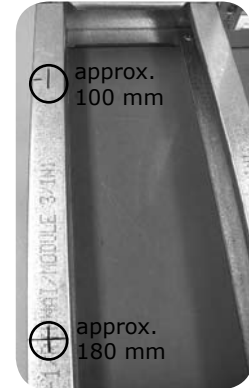


# Spacer Module Assembly

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## Assemble spacer module

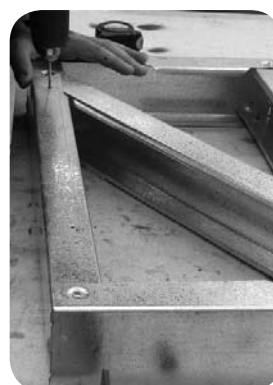
1. Measure and mark 2 positions on each spacer section so you can determine where you need to predrill holes for securing them together. A rough guide is approximately 180 mm up from the bottom and 100 mm down from the top



2. Pre-drill marked positions on first frame.



3. Position pre-drilled section on side spacer and mark through hole of first section onto the second. Pre-drill holes in second section.



4. Using screws provided secure both pre-drilled spacer sections together.
5. Repeat steps 1-4 with remaining sides and then repeat process with second spacer module.



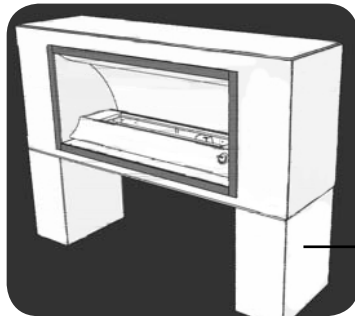
# Spacer Module Assembly

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## **Fasten spacer modules to base module**

Using the same procedure in connecting each of the spacer sections, attach the spacer modules to base module.

If the spacer modules are being used as supporting structure (as shown below) they will need to be securely fastened to supporting foundation.



securely fasten to structure above and below







<b>Consumers:</b>	0800 RINNAI (0800 746 624)
<b>Installers:</b>	0800 TO RINNAI (0800 86 746 624)
<b>Address:</b>	105 Pavilion Drive, Airport Oaks, Mangere, Manukau PO Box 53177, Auckland Airport, Manukau 2150
<b>Phone:</b>	(09) 257 3800
<b>Fax:</b>	(09) 257 3899
<b>Email:</b>	<a href="mailto:info@rinnai.co.nz">info@rinnai.co.nz</a>
<b>Websites:</b>	<a href="http://www.rinnai.co.nz">www.rinnai.co.nz</a> and <a href="http://www.rinnai-tradesmart.co.nz">www.rinnai-tradesmart.co.nz</a>